## United States Patent Application COMBINED DECLARATION AND POWER OF ATTORNEY

As a below named inventor I hereby declare that: my residence, post office address and citizenship are as stated below next to my name; that

I verily believe I am the original, first and joint inventor of the subject matter which is claimed and for which a patent is sought on the invention entitled: MULTIPLE-DOMAIN PROCESSING SYSTEM USING HIERARCHICALLY ORTHOGONAL SWITCHING FABRIC .

The specification of which is attached hereto.

m

I hereby state that I have reviewed and understand the contents of the above-identified specification, including the claims, as amended by any amendment referred to above.

I acknowledge the duty to disclose information which is material to the patentability of this application in accordance with 37 C.F.R. § 1.56 (attached hereto). I also acknowledge my duty to disclose all information known to be material to patentability which became available between a filing date of a prior application and the national or PCT international filing date in the event this is a Continuation-In-Part application in accordance with 37 C.F.R. §1.63(e).

I hereby claim foreign priority benefits under 35 U.S.C. §119(a)-(d) or 365(b) of any foreign application(s) for batent or inventor's certificate, or 365(a) of any PCT international application which designated at least one country other than the United States of America, listed below and have also identified below any foreign application for patent or inventor's certificate having a filing date before that of the application on the basis of which priority is claimed:

No such claim for priority is being made at this time.

I hereby claim the benefit under 35 U.S.C. § 119(e) of any United States provisional application(s) listed below:

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I hereby claim the benefit under 35 U.S.C. § 120 or 365(c) of any United States and PCT international application(s) listed below and, insofar as the subject matter of each of the claims of this application is not disclosed in the prior United States or PCT international application in the manner provided by the first paragraph of 35 U.S.C. § 112, I acknowledge the duty to disclose material information as defined in 37 C.F.R. § 1.56(a) which became available between the filing date of the prior application and the national or PCT international filing date of this application:

I hereby appoint the following attorney(s) and/or patent agent(s) to prosecute this application and to transact all business in the Patent and Trademark Office connected herewith:

Aldous, Alan K. Anglin, J. Michael	Reg. No. 31,905 Reg. No. 24,916	Huter, Jeffrey B Jackson Huebsch. Katharine A	Reg No 41,086 Reg. No 47,670	Park, Ellen Parker, J Kevin	Reg. No. 34,055 Reg. No. 33,024
Arora, Suneel	Reg. No. 42,267	Jurkovich, Patti J.	Reg No. 44,813	Perdok, Monique M.	Reg. No. 42,989
Beekman, Marvin L.	Reg. No. 38,377	Kacvinsky, John	Reg. No 40,040	Peret, Andrew R.	Reg. No. 41,246
Bianchi, Timothy E.	Reg. No. 39,610	Kalis, Janal M.	Reg. No. 37,650	Peterson, David C	Reg. No. 47,857
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Cochran, David R.	Reg. No. 46,632	McCrackin, Ann M.	Reg No. 42,858	Stewart, Steven C	Reg. No. 33,555
Dahl, John M.	Reg. No. 44,639	McTavish, Hugh E.	Reg. No. P-48,341	Stordal, Leif T.	Reg. No. 46,251
Draeger, Jeffrey S.	Reg. No. 41,000	Mehrle, Joseph P.	Reg. No. 45,535	Su, Gene I.	Reg. No. 45,140
Drake, Eduardo E.	Reg No. 40,594	Mirho, Charles A.	Reg. No. 41,199	Terry, Kathleen R	Reg. No. 31,884
Embretson, Janet E.	Reg. No. 39,665	Moore, Charles L., Jr.	Reg. No. 33,742	Tong, Viet V.	Reg. No. 45,416
Faatz Cynthia Thomas	Reg. No. 39,973	Muller, Mark V	Reg. No. 37,509	Viksnıns, Ann S.	Reg. No. 37,748
Forrest, Bradley A.	Reg. No. 30,837	Nagy, Paul	Reg. No. 37,896	Wells, Calvin E	Reg. No. 43,256
Gaman: Owen J.	Reg. No. 36,143	Nama, Kash	Reg. No. 44,255	Winkle, Robert G.	Reg. No. 37,474
Gorrie, Gregory J.	Reg. No. 36,530	Nelson, Albin J.	Reg No. 28,650	Woessner, Warren D.	Reg. No. 30,440
Gortych, Joseph E.	Reg. No 41,791	Nicholson, Lea A.	Reg. No. 48,346	Wong, Sharon	Reg. No. 37,760
Greaves, John N.	Reg. No. 40,362	Nielsen, Walter W.	Reg. No 25,539	Yates, Steven D.	Reg. No. 42,242
Haack John L.	Reg. No. 36,154	Novakoski, Leo V.	Reg. No. 37,198	Young, Charles K	Reg. No. 39,435
Harris, Robert J.	Reg. No. 37,346	Padys, Danny J.	Reg No. 35,635		
Hill, Stanley K.	Reg. No. 37,548				

I hereby authorize them to act and rely on instructions from and communicate directly with the person/assignee/attorney/firm/organization/who/which first sends/sent this case to them and by whom/which I hereby declare that I have consented after full disclosure to be represented unless/until I instruct Schwegman, Lundberg, Woessner & Kluth, P.A. to the contrary.

Please direct all correspondence in this case to Schwegman, Lundberg, Woessner & Kluth, P.A. at the address indicated below:
P.O. Box 2938, Minneapolis, MN 55402
Telephone No. (612)373-6900

Full Name of joint inventor	number 1: Oleg Awsienko		
Citizenship:	<b>United States of America</b>	Residence: Phoenix, AZ	
Post Office Address:	13822 S. 31st. Pl		
	Phoenix, AZ 85048		
Signature:		Date:	
•	Oleg Awsienko		

made are punishable by fi	rue; and further that these statements were one or imprisonment, or both, under Section the validity of the application or any pate	knowledge are true and that all statements made on information and made with the knowledge that willful false statements and the like so a 1001 of Title 18 of the United States Code and that such willful false at issued thereon.
Citizenship: Post Office Address:	United States of America 3181 S. Greythorne Way Chandler, AZ 85248	Residence: Chandler, AZ
Signature:		Date:
	Edward Butler	
Full Name of joint inventor Citizenship:  Post Office Address:	or number 3: <u>Gary L. McAlpine</u> United States of America 21600 N.W. Pihl Rd. Banks, OR 97106	Residence: Banks, OR
Signature:		Date:
	Gary L. McAlpine	Date:
Full Name of joint inventor Offizenship: Post Office Address:	United States of America 17125 Chehalen Way Hillsboro, OR 97113	Residence: Hillsbore, OR    1 / 2 / 0 /
Signature:	David B. Minturn	Date: 71787
Full Name of joint invento Citizenship: Post Office Address:	United States of America 714 West Hemlock Way Chandler, AZ 85248	Residence: Chandler, AZ
Signature:	Joseph Schaefer	Date:
Full Name of joint invento Citizenship: Post Office Address:	T number 6: <u>Gary A. Solomon</u> United States of America 17 Grasshopper Lane Action, MA 01720	Residence: Action, MA
Signature:		Date:
	Gary A. Solomon	

Attorney Docket No.: 884.660US1 Serial No. not assigned

Filing Date: not assigned

### § 1.56 Duty to disclose information material to patentability.

A patent by its very nature is affected with a public interest. The public interest is best served, and the most effective patent (a) examination occurs when, at the time an application is being examined, the Office is aware of and evaluates the teachings of all information material to patentability. Each individual associated with the filing and prosecution of a patent application has a duty of candor and good faith in dealing with the Office, which includes a duty to disclose to the Office all information known to that individual to be material to patentability as defined in this section. The duty to disclose information exists with respect to each pending claim until the claim is canceled or withdrawn from consideration, or the application becomes abandoned. Information material to the patentability of a claim that is canceled or withdrawn from consideration need not be submitted if the information is not material to the patentability of any claim remaining under consideration in the application. There is no duty to submit information which is not material to the patentability of any existing claim. The duty to disclose all information known to be material to patentability is deemed to be satisfied if all information known to be material to patentability of any claim issued in a patent was cited by the Office or submitted to the Office in the manner prescribed by §§ 1.97(b)-(d) and 1.98. However, no patent will be granted on an application in connection with which fraud on the Office was practiced or attempted or the duty of disclosure was violated through bad faith or intentional misconduct. The Office encourages applicants to carefully examine:

- (1) prior art cited in search reports of a foreign patent office in a counterpart application, and
- the closest information over which individuals associated with the filing or prosecution of a patent application believe any pending claim patentably defines, to make sure that any material information contained therein is disclosed to the Office.

Under this section, information is material to patentability when it is not cumulative to information already of record or being made of record in the application, and

- (1) It establishes, by itself or in combination with other information, a prima facie case of unpatentability of a claim; or
- (2) It refutes, or is inconsistent with, a position the applicant takes in:
  - (i) Opposing an argument of unpatentability relied on by the Office, or
  - (ii) Asserting an argument of patentability.

A prima facie case of unpatentability is established when the information compels a conclusion that a claim is unpatentable under the preponderance of evidence, burden-of-proof standard, giving each term in the claim its broadest reasonable construction consistent with the specification, and before any consideration is given to evidence which may be submitted in an attempt to establish a contrary conclusion of patentability.

- Individuals associated with the filing or prosecution of a patent application within the meaning of this section are: (c)
  - Each inventor named in the application:
  - Each attorney or agent who prepares or prosecutes the application; and
  - Every other person who is substantively involved in the preparation or prosecution of the application and who is associated with the inventor, with the assignee or with anyone to whom there is an obligation to assign the application.
- Individuals other than the attorney, agent or inventor may comply with this section by disclosing information to the attorney, (d) agent, or inventor.

### United States Patent Application COMBINED DECLARATION AND POWER OF ATTORNEY

As a below named inventor I hereby declare that: my residence, post office address and citizenship are as stated below next to my name; that

I verily believe I am the original, first and joint inventor of the subject matter which is claimed and for which a patent is sought on the invention entitled: MULTIPLE-DOMAIN PROCESSING SYSTEM USING HIERARCHICALLY ORTHOGONAL SWITCHING FABRIC .

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Full Name of joint inventor number 1:

Serial No. not assigned Filing Date: not assigned

I hereby appoint the following attorney(s) and/or patent agent(s) to prosecute this application and to transact all business in the Patent and Trademark Office connected herewith:

Aldous, Alan K. Anglin, J. Michael Arora, Suneel Beekman, Marvin L. Bianchi, Timothy E. Billion, Richard E. Black, David W. Brake, R. Edward Brennan, Leoniede M. Brennan, Thomas F. Brooks, Edward J., III Burge, Ben Burtzlaff, Robert A. Calderwood, Richard C. Chadwick, Robin A. Clark, Barbara J. Clise, Timothy B. Cochran, David R. Dahl, John M. Draeger, Jeffrey S. Drake, Eduardo E. Embretson, Janet E. Faatz, Cynthia Thomas Forrest, Bradley A. Gamon, Owen J. Gortic, Gregory J. Gortych, Joseph E. Gregyes, John N.	Reg. No. 31,905 Reg. No. 24,916 Reg. No. 42,267 Reg. No. 38,377 Reg. No. 39,610 Reg. No. 32,836 Reg. No. 32,836 Reg. No. 37,784 Reg. No. 35,832 Reg. No. 35,832 Reg. No. 40,925 Reg. No. 40,925 Reg. No. 42,372 Reg. No. 35,466 Reg. No. 35,466 Reg. No. 36,477 Reg. No. 36,477 Reg. No. 46,632 Reg. No. 46,632 Reg. No. 44,639 Reg. No. 44,639 Reg. No. 44,639 Reg. No. 44,639 Reg. No. 40,594 Reg. No. 39,973 Reg. No. 39,973 Reg. No. 30,837 Reg. No. 30,837 Reg. No. 36,530 Reg. No. 36,530 Reg. No. 36,530 Reg. No. 41,791 Reg. No. 40,362	Huter, Jeffrey B. Jackson Huebsch, Katharine A. Jurkovich, Patti J. Kacvinsky, John Kalis, Janal M. Kalson, Seth Z. Kaplan, David J. Klima-Silberg, Catherine I. Kluth, Daniel J. Lacy, Rodney L. Lam, Peter Lemaire, Charles A. LeMoine, Dana B. Lundberg, Steven W. Maki, Peter C. Malen, Peter L. Mates, Robert E. McCrackin, Ann M. McTavish, Hugh E. Mehrle, Joseph P Mirho, Charles A. Moore, Charles L., Jr Muller, Mark V. Nagy, Paul Nama, Kash Nelson, Albin J. Nicholson, Lea A. Nielsen, Walter W.	Reg. No. 41,086 Reg. No. 47,670 Reg. No. 44,813 Reg No 40,040 Reg No. 37,650 Reg. No. 40,670 Reg. No. 41,105 Reg. No. 41,105 Reg. No. 32,146 Reg. No. 32,146 Reg. No. 41,136 Reg. No. 41,136 Reg. No. 41,136 Reg. No. 40,062 Reg. No 36,198 Reg. No 40,062 Reg. No 40,062 Reg. No 40,062 Reg. No 42,832 Reg. No 42,832 Reg. No. 42,832 Reg. No. 42,838 Reg. No. 42,858 Reg. No. 42,858 Reg. No. 44,894 Reg. No. 35,271 Reg No. 45,535 Reg. No. 41,199 Reg. No. 33,742 Reg. No. 37,509 Reg. No. 37,896 Reg. No. 44,255 Reg. No. 28,650 Reg No. 48,346 Reg. No. 25,539	Park, Ellen Parker, J. Kevin Perdok, Monique M. Peret, Andrew R. Peterson, David C Prout, William F Reynolds, Thomas C Schumm, Sherry W. Schwegman, Micheal L. Scott, John C Seddon, Kenneth M Seeley, Mark Skabrat, Steven P Skaist, Howard A. Smith, Michael G. Speier, Gary J Steffey, Charles E. Stewart, Steven C. Stordal, Leif T Su, Gene I Terry, Kathleen R Tong, Viet V. Viksnins, Ann S. Wells, Calvin E. Winkle, Robert G Woessner, Warren D Wong, Sharon Yates, Steven D.	Reg. No. 34,055 Reg. No. 33,024 Reg. No. 42,989 Reg. No. 41,246 Reg. No. 47,857 Reg. No. 33,995 Reg. No. 32,488 Reg. No. 39,422 Reg. No. 25,816 Reg. No. 38,613 Reg. No. 43,105 Reg. No. 32,299 Reg. No. 36,279 Reg. No. 36,279 Reg. No. 36,279 Reg. No. 36,279 Reg. No. 45,368 Reg. No. 45,458 Reg. No. 45,458 Reg. No. 45,458 Reg. No. 45,451 Reg. No. 45,410 Reg. No. 31,884 Reg. No. 45,416 Reg. No. 37,748 Reg. No. 43,256 Reg. No. 37,747 Reg. No. 37,747 Reg. No. 37,760 Reg. No. 37,760 Reg. No. 42,242
Gorrie Gregory J.	Reg. No. 36,530	Nelson, Albin J. Nicholson, Lea A.	Reg. No. 28,650 Reg No. 48,346	Wong, Sharon	Reg. No. 37,760

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Please direct all correspondence in this case to Schwegman, Lundberg, Woessner & Kluth, P.A. at the address indicated below:
P.O. Box 2938, Minneapolis, MN 55402
Telephone No. (612)373-6900

Oleg Awsienko

Citizenship: Post Office Address:	United States of America 13822 S. 31st. Pl Phoenix, AZ 85048	Residence: Phoenix, AZ	
Signature:		Date:	
	Oleg Awsienko		
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Attorney Docket No.: 884.660U kerial No. not assigned "iling Date: not assigned	(S)	Page 3 of 4
octief are believed to be to made are punishable by fi statements may jeopardize	rue; and further that these statements were ne or imprisonment, or both, under Section to the validity of the application or any pate	knowledge are true and that all statements made on information and made with the knowledge that willful false statements and the like so a 1001 of Title 18 of the United States Code and that such willful false at issued thereon.
Full Name of joint invent Citizenship: Post Office Address:	or number 2: <u>Edward Butler</u> United States of America 3181 S. Greythorne Way Chandler, AZ 85248	Residence: Chandler, AZ
Signature:	Edward Butler	Date:
Full Name of joint invent Citizenship: Post Office Address:	or number 3: <u>Garv L. McAlpine</u> United States of America 21600 N.W. Pihl Rd. Banks, OR 97106	Residence: Banks, OR
Signature:	y Louis	Date: 11/2/02
The Full Name of joint invent	or number 4: David B. Minturn	
Citizenship: Post Office Address:	United States of America 17125 Chehalen Way Hillsboro, OR 97123	Residence: Hillsboro, OR
Signature:	David B. Minturn	Date:
Full Name of joint invent Citizenship: Post Office Address:	or number 5: <u>Joseph Schaefer</u> United States of America 714 West Hemlock Way	Residence: Chapdler, AZ
rost Othor Wantess.	Chandler, AZ 85248	
Signature:	Joseph Schaefer	Date:
Full Name of joint invent		•
Citizenship: Post Office Address:	United States of America 17 Grasshopper Lane Action MA 01720	Residence: Action, MA

Date:

Signature:

Gary A. Solomon

Serial No. not assigned Filing Date: not assigned

#### § 1.56 Duty to disclose information material to patentability.

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  - Every other person who is substantively involved in the preparation or prosecution of the application and who is associated with the inventor, with the assignee or with anyone to whom there is an obligation to assign the application.
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	Clise, Timothy B.	Reg. No. 40,957	Mates, Robert F.	Reg. No. 35,271	Steffey, Charles E.	Reg. No. 25,179
i	Cochran, David R.	Reg. No. 46,632	McCrackin, Ann M.	Reg. No. 42,858	Stewart, Steven C.	Reg. No. 33,555
	Dahl, John M.	Reg. No. 44,639	McTavish, Hugh E.	Reg. No. P-48.341	Stordal, Leif T.	Reg. No. 46,251
	Draeger, Jeffrey S.	Reg. No. 41,000	Mchrie, Joseph P.	Reg. No. 45,535	Su. Gene 1.	Reg. No. 45,140
	Drake, Eduardo E	Reg. No. 40,594	Mirho, Charles A.	Reg. No. 41,199	Terry, Kathleen R.	Reg. No. 31,884
	Embretson, Janet E.	Reg. No. 39,665	Moore, Charles L., Jr.	Reg. No. 33,742	Tong, Viet V.	Reg. No. 45,416
	Faatz, Cynthia Thomas	Reg. No. 39,973	Muller, Mark V.	Reg. No. 37,509	Viksnins, Ann S.	Reg. No. 37,748
	Forrest, Bradley A.	Reg. No. 30,837	Nagy, Paul	Reg. No. 37,896	Wells, Calvin E.	Reg. No. 43,256
	Garnon, Owen J.	Reg. No. 36,143	Nama, Kash	Reg. No. 44,255	Winkle, Robert G.	Reg. No. 37,474
:	Corrie, Gregory J.	Reg. No. 36,530	Nelson, Albin J.	Reg. No. 28,650	Woessner, Warren D.	
	Gortych, Joseph E.	Reg. No. 41.791	Nicholson, Lea A.	Reg. No. 48.346		Reg. No. 30,440
	Greaves, John N.	Reg. No. 40,362	·	Reg. No. 25,539	Wong, Sharon	Reg. No. 37,760
	Haack, John L.	Reg. No. 36,154	Novakoski, Leo V.		Yates, Steven D.	Reg. No. 42,242
	Harris, Robert J.	Reg. No. 37,346	Padys, Danny J.	Reg. No. 37,198	Young, Charles K.	Reg. No. 39,435
	Hill, Stanley K.	Reg. No. 37,548	a mayo, statusy 2.	Reg. No. 35,635		
		world's \$100 in the ang				

I hereby authorize them to act and rely on instructions from and communicate directly with the person/assignce/attorney/firm/organization/who/which first sends/sent this case to them and by whom/which I hereby declare that I have consented after full disclosure to be represented unless/until I instruct Schwegman, Lundberg, Woessner & Khuth, P.A. to the contrary.

Please direct all correspondence in this case to Schwegman, Lundberg, Woessner & Kluth, P.A. at the address indicated below:
P.O. Box 2938, Minneapolis, MN 55402
Telephone No. (612)373-6900

Full Name of j	oint inventor numb	oer 1: Oleg Awsienko			
Citizenship:		United States of America	Residence: Phoen	nix. AZ	
Post Office Ad	ldress:	13822 S. 31st. Pl		7	
		Phoenix, AZ 85048	•		
Signature:	<u></u>	- ( ) .	Date:	11/10/	
	Oleg .	Awsienko		• •	

Serial No. not assigned Filing Date: not assigned

ruii Name of joint inver Citizenship: Post Office Address:	United States of America 3181 S. Greythorne Way Chandler, AZ 85248	Residence: Chandler, AZ	
Signature:		Date:	
	Edward Butler		
-	ntor number 3: <u>Gary L. McAlpine</u> United States of America	Desidence Pouls OP	
Citizenship: Post Öffice Address:	21600 N.W. Pihl Rd.	Residence: Banks, OR	
ost Office Address.	Banks, OR 97106		
Mariana	Baiks, OK 7/100		
Signature:		Date:	
	Gary L. McAlpine		
enter of the control			
en op			_
Full Name of joint inve	ntor number 4: David B. Minturn		
Citizenship:	<b>United States of America</b>	Residence: Hillsboro, OR	
Post Office Address:	17125 Chehalen Way		
d 1. Company Company Company	Hillsboro, OR 97123		
T. Sample		<b>D</b> (	
Signature:	David B. Minturn	Date:	
profession in a second of the	David B. Millium		
			_
Full Name of joint inve	ntor number 5: Joseph Schaefer		
Citizenship:	United States of America	Residence: Chandler, AZ	
Post Office Address:	714 West Hemlock Way	,,	
	Chandler, AZ 85248		
Signature:		Date:	
orginaturo	Joseph Schaefer		
	The second secon		
			_
Full Name of joint inve	ntor number 6: Gary A. Solomon		
Citizenship:	<b>United States of America</b>	Residence: Action, MA	
Post Office Address:	17 Grasshopper Lane		
	Action, MA 01720		
Signature:		Date:	
D.S.144410	Gary A. Solomon	Dut	

Filing Date: not assigned

#### § 1.56 Duty to disclose information material to patentability.

A patent by its very nature is affected with a public interest. The public interest is best served, and the most effective patent (a) examination occurs when, at the time an application is being examined, the Office is aware of and evaluates the teachings of all information material to patentability. Each individual associated with the filing and prosecution of a patent application has a duty of candor and good faith in dealing with the Office, which includes a duty to disclose to the Office all information known to that individual to be material to patentability as defined in this section. The duty to disclose information exists with respect to each pending claim until the claim is canceled or withdrawn from consideration, or the application becomes abandoned. Information material to the patentability of a claim that is canceled or withdrawn from consideration need not be submitted if the information is not material to the patentability of any claim remaining under consideration in the application. There is no duty to submit information which is not material to the patentability of any existing claim. The duty to disclose all information known to be material to patentability is deemed to be satisfied if all information known to be material to patentability of any claim issued in a patent was cited by the Office or submitted to the Office in the manner prescribed by §§ 1.97(b)-(d) and 1.98. However, no patent will be granted on an application in connection with which fraud on the Office was practiced or attempted or the duty of disclosure was violated through bad faith or intentional misconduct. The Office encourages applicants to carefully examine:

- prior art cited in search reports of a foreign patent office in a counterpart application, and
- the closest information over which individuals associated with the filing or prosecution of a patent application believe any pending claim patentably defines, to make sure that any material information contained therein is disclosed to the Office.

Under this section, information is material to patentability when it is not cumulative to information already of record or being made of record in the application, and

- (1) It establishes, by itself or in combination with other information, a prima facie case of unpatentability of a claim; or
- (2) It refutes, or is inconsistent with, a position the applicant takes in:
  - (i) Opposing an argument of unpatentability relied on by the Office, or
  - (ii) Asserting an argument of patentability.

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- (c) Individuals associated with the filing or prosecution of a patent application within the meaning of this section are:
  - Each inventor named in the application:
  - Each attorney or agent who prepares or prosecutes the application; and
  - (3) Every other person who is substantively involved in the preparation or prosecution of the application and who is associated with the inventor, with the assignee or with anyone to whom there is an obligation to assign the application.
- Individuals other than the attorney, agent or inventor may comply with this section by disclosing information to the attorney, (d) agent, or inventor.

#### Schwegman ■ Lundberg ■ Woessner ■ Kluth

### United States Patent Application COMBINED DECLARATION AND POWER OF ATTORNEY

As a below named inventor I hereby declare that: my residence, post office address and citizenship are as stated below next to my name; that

I verily believe I am the original, first and joint inventor of the subject matter which is claimed and for which a patent is sought on the invention entitled: <u>MULTIPLE-DOMAIN PROCESSING SYSTEM USING</u> HIERARCHICALLY ORTHOGONAL SWITCHING FABRIC.

The specification of which is attached hereto.

I hereby state that I have reviewed and understand the contents of the above-identified specification,
including the claims, as amended by any amendment referred to above.
I acknowledge the duty to disclose information which is material to the patentability of this application in accordance with 37 C.F.R. § 1.56 (attached hereto). I also acknowledge my duty to disclose all information known to be material to patentability which became available between a filing date of a prior application and the national or PCT international filing date in the event this is a Continuation-In-Part application in accordance with 37 C.F.R. §1.63(e).
I hereby claim foreign priority benefits under 35 U.S.C. §119(a)-(d) or 365(b) of any foreign application(s)
for patent or inventor's certificate, or 365(a) of any PCT international application which designated at least one
country other than the United States of America, listed below and have also identified below any foreign application for patent or inventor's certificate having a filing date before that of the application on the basis of which priority is
éfaimed:

No such claim for priority is being made at this time.

I hereby claim the benefit under 35 U.S.C. § 119(e) of any United States provisional application(s) listed below:

No such claim for priority is being made at this time.

I hereby claim the benefit under 35 U.S.C. § 120 or 365(c) of any United States and PCT international application(s) listed below and, insofar as the subject matter of each of the claims of this application is not disclosed in the prior United States or PCT international application in the manner provided by the first paragraph of 35 U.S.C. § 112, I acknowledge the duty to disclose material information as defined in 37 C.F.R. § 1.56(a) which became available between the filing date of the prior application and the national or PCT international filing date of this application:

I hereby appoint the following attorney(s) and/or patent agent(s) to prosecute this application and to transact all business in the Patent and Trademark Office connected herewith:

Aldous, Alan K.	Reg. No. 31,905	Huter, Jeffrey B.	Reg. No. 41,086	Park, Ellen	Reg. No. 34,055
Anglin, J. Michael	Reg. No. 24,916	Jackson Huebsch, Katharine A.	Reg. No. 47,670	Parker, J. Kevin	Reg. No. 33,024
Arora, Suncel	Reg. No. 42,267	Jurkovich, Patti J.	Reg. No. 44,813	Perdok, Monique M.	Reg. No. 42,989
Beekman, Marvin L.	Reg. No. 38,377	Kacvinsky, John	Reg. No. 40,040	Peret, Andrew R.	Reg. No. 41,246
Bianchi, Timothy E.	Reg. No. 39,610	Kalis, Janal M.	Reg. No. 37,650	Peterson, David C.	Reg. No. 47,857
Billion, Richard E.	Reg. No. 32,836	Kalson, Seth Z.	Reg. No. 40,670	Prout, William F.	Reg. No. 33,995
Black, David W.	Reg. No. 42,331	Kaplan, David J.	Reg. No. 41,105	Reynolds, Thomas C.	Reg. No. 32,488
Brake, R. Edward	Reg. No. 37,784	Klima-Silberg, Catherine I.	Reg. No. 40,052	Schungn, Sherry W.	Reg. No. 39,422
Brennan, Leoniede M.	Reg. No. 35,832	Kluth, Daniel J.	Reg. No. 32,146	Schwegman, Micheal L.	Reg. No. 25,816
Brennan, Thomas F.	Reg. No. 35,075	Lacy, Rodney L.	Reg. No. 41,136	Scott, John C.	Reg. No. 38,613
Brocks, Edward J., III	Reg. No. 40,925	Lam, Peter	Reg. No. 44,855	Seddon, Kenneth M.	Reg. No. 43,105
Burge, Ben	Reg. No. 42,372	Lemaire, Charles A.	Reg. No. 36,198	Seeley, Mark	Reg. No. 32,299
Burtzlaff, Robert A.	Reg. No. 35,466	LeMoine, Dana B.	Reg. No. 40,062	Skabrat, Steven P.	Reg. No. 36,279
Calderwood, Richard C.	Reg. No. 35,468	Lundberg, Steven W.	Reg. No. 30,568	Skaist, Howard A.	Reg. No. 36,008
Chadwick, Robin A.	Reg. No. 36,477	Maki, Peter C.	Reg. No. 42,832	Smith, Michael G.	Reg. No. 45,368
Clark, Barbara J.	Reg. No. 38,107	Malen, Peter L.	Reg. No. 44,894	Speier, Gary J.	Reg. No. 45,458
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Cochran, David R.	Reg. No. 46,632	McCrackin, Ann M.	Reg. No. 42,858	Stewart, Steven C.	Reg. No. 33,555
Dahl, John M.	Reg. No. 44,639	McTavish, Hugh E.	Reg. No. P-48,341	Stordal, Leif T.	Reg. No. 46,251
Draeger, Jeffrey S.	Reg. No. 41,000	Mehrle, Joseph P.	Reg. No. 45,535	Su, Gene I.	Reg. No. 45,140
Drake, Eduardo E.	Reg. No. 40,594	Mirho, Charles A.	Reg. No. 41,199	Terry, Kathleen R.	Reg. No. 31,884
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Forrest, Bradley A.	Reg. No. 30,837	Nagy, Paul	Reg. No. 37,896	Wells, Calvin E.	Reg. No. 43,256
Gamon, Owen J.	Reg. No. 36,143	Nama, Kash	Reg. No. 44,255	Winkle, Robert G.	Reg. No. 37,474
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Gortych, Joseph E.	Reg. No. 41,791	Nicholson, Lea A.	Reg. No. 48,346	Wong, Sharon	Reg. No. 37,760
Greaves, John N.	Reg. No. 40,362	Nielsen, Walter W.	Reg. No. 25,539	Yates, Steven D.	Reg. No. 42,242
Haack, John L.	Reg. No. 36,154	Novakoski, Leo V.	Reg. No. 37,198	Young, Charles K.	Reg. No. 39,435
Harris, Robert J.	Reg. No. 37,346	Padys, Danny J.	Reg. No. 35,635		
Hill, Stanley K.	Reg. No. 37,548		-		

I hereby authorize them to act and rely on instructions from and communicate directly with the person/assignee/attorney/ firm/organization/who/which first sends/sent this case to them and by whom/which I hereby declare that I have consented after full disclosure to be represented unless/until I instruct Schwegman, Lundberg, Woessner & Kluth, P.A. to the contrary.

Please direct all correspondence in this case to Schwegman, Lundberg, Woessner & Kluth, P.A. at the address indicated below: P.O. Box 2938, Minneapolis, MN 55402 Telephone No. (612)373-6900

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

Full Name of joint inventor number 1: Oleg Awsienko

Citizenship:

United States of America

Post Office Address:

13822 S. 31st. Pl

Phoenix, AZ 85048

Cionature

Residence: Phoenix, AZ

Attorney Docket No.: 884.660US1 Serial No. not assigned Filing Date: not assigned I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the application or any patent issued thereon. Full Name of joint inventor number 2: Edward Butler Residence: Chandler, AZ United States of America Citizenship: Post Office Address: 3181 S. Greythorne Way Chandler, AZ 85248 Date: Signature: Edward Butler Full Name of joint inventor number 3: Gary L. McAlpine Residence: Banks, OR United States of America Citizenship: 21600 N.W. Pihl Rd. Post Office Address: Banks, OR 97106 L Signature: Date: Gary L. McAlpine L Full Name of joint inventor number 4: David B. Minturn Residence: Hillsboro, OR United States of America Citizenship: 17125 Chehalen Way Post Office Address: Hillsboro, OR 97123 T. Date: Signature: David B. Minturn Full Name of joint inventor number 5: Joseph Schaefer Residence: Chandler, AZ United States of America Citizenship: 714 West Hemlock Way Post Office Address: Chandler, AZ 85248 Date: Signature: Joseph Schaefer

tion, MA 01720-Date: Signature: dary A. Solomon

Residence: Action, MA

Gary A. Solomon

United States of America

117 Grasshopper Lane

Full Name of joint inventor number 6,

Citizenship:

Post Office Address:

Attorney Docket No.: 884.660US1 Serial No. not assigned Filing Date: not assigned

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### § 1.56 Duty to disclose information material to patentability.

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  - (1) Each inventor named in the application:
  - (2) Each attorney or agent who prepares or prosecutes the application; and
  - (3) Every other person who is substantively involved in the preparation or prosecution of the application and who is associated with the inventor, with the assignee or with anyone to whom there is an obligation to assign the application.
- (d) Individuals other than the attorney, agent or inventor may comply with this section by disclosing information to the attorney, agent, or inventor.

SCHWEGMAN ■ LUNDBERG ■ WOESSNER ■ KLUTH

### United States Patent Application

COMBINED DECLARATION AND POWER OF ATTORNEY

As a below named inventor I hereby declare that: my residence, post office address and citizenship are as stated below next to my name; that

I verily believe I am the original, first and joint inventor of the subject matter which is claimed and for which a patent is sought on the invention entitled: <u>MULTIPLE-DOMAIN PROCESSING SYSTEM USING HIERARCHICALLY ORTHOGONAL SWITCHING FABRIC</u>.

I hereby state that I have reviewed and understand the contents of the above-identified specification,

The	specification	of which	is	attached	hereto.
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cfaimed:

including the claims, as amended by any amendment referred to above.
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§1.63(e).
I hereby claim foreign priority benefits under 35 U.S.C. §119(a)-(d) or 365(b) of any foreign application(s)
for patent or inventor's certificate, or 365(a) of any PCT international application which designated at least one
country other than the United States of America, listed below and have also identified below any foreign application
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Attorney Docket No.: 884.660US1 Serial No. not assigned Filing Date: not assigned

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I hereby authorize them to act and rely on instructions from and communicate directly with the person/assignee/attorney/firm/organization/who/which first sends/sent this case to them and by whom/which I hereby declare that I have consented after full disclosure to be represented unless/until I instruct Schwegman, Lundberg, Woessner & Kluth, P.A. to the contrary.

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P.O. Box 2938, Minneapolis, MN 55402

Telephone No. (612)373-6900

Full Name of joint inventor Citizenship: Post Office Address:	United States of America 13822 S. 31st. Pl Phoenix, AZ 85048	Residence: Phoenix, AZ	
Signature:	Oleg Awsicnko	Date:	

Page 3 of 4 Attorney Docket No.: 884,660US1 Serial No. not assigned Filing Date: not assigned I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the application or any patent issued thereon. Full Name of joint inventor number 2: Edward Butler Residence: Chandler, AZ United States of America 3181 S. Greythorne Way Post Office Address: Chandler, AZ 85248 Date: Signature: Edward Butler Full Name of joint inventor number 3: Gary L. McAlpine Residence: Banks, OR United States of America Citizenship: 21600 N.W. Pihl Rd. Post Office Address: Banks, OR 97106 Date: Signature: Gary L. McAlpine T 1 Full Name of joint inventor number 4: David B. Minturn Residence: Hillsboro, OR United States of America Citizenship: 17125 Chehalen Way Post Office Address: Hillsboro, OR 97123 Date: Signature: David B. Minturn Full Name of joint inventor number 5: Joseph Schaefer Residence: Chandler, AZ United States of America Citizenship: 714 West Hemlock Way Post Office Address: Chandler, AZ 85248 2 Nov 01 Datc: Signature: Joseph Schaefer Full Name of joint inventor number 6: Gary A. Solomon Residence: Action, MA United States of America Citizenship: 17 Grasshopper Lane Post Office Address:

Date:

Action, MA 01720

Gary A. Solomon

Signature:

Serial No. not assigned Filing Date: not assigned

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#### UNITED STATES PATENT APPLICATION

### MULTIPLE-DOMAIN PROCESSING SYSTEM USING HIERARCHICALLY ORTHOGONAL SWITCHING FABRIC

**INVENTORS** 

Oleg Awsienko

**Edward Butler** 

**Gary McAlpine** 

**David Minturn** 

Joseph Schaefer

**Gary Solomon** 

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1600 TCF Tower
121 South Eighth Street
Minneapolis, MN 55402
ATTORNEY DOCKET SLWK 884.660US1
Client Ref. No. P13293